CLAIMS

1. An apparatus for swapping a disk-like member, said apparatus comprising:

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at least two tong-like arms for accepting and holding the disk-like member; and

a driving-mechanism adapted to drive said at least two tonglike arms, wherein said driving-mechanism is adapted to provide
a first movement and a second movement to said at least two
tong-like arms, said first movement comprising a vertically
oriented movement of said at least two tong-like arms between an
up position and a down position, said second movement comprising
a horizontally oriented tong-like movement of said at least two
tong-like arms.

- 2. The apparatus according to claim 1, wherein said driving-mechanism comprises a lever apparatus and/or spindle means for controlling said first and second movements.
  - 3. The apparatus according to claim 1, wherein said driving-mechanism, when performing said second movement, moves said at least two tong-like arms between at least one hold position and at least one release position.
  - 4. The apparatus according to claim 3, wherein said driving-mechanism moves said at least one hold position is two different hold positions and said at least one release position is two different hold positions.

- 5. The apparatus according to claim 1, wherein said driving-mechanism comprises an elevation contrivance and a manipulator drive.
- 5 6. The apparatus according to claim 1, wherein said at least two tong-like arms comprise extension members.
- The apparatus according to claim 1, wherein said at least two tong-like arms comprise means for gripping the disklike member.
  - 8. The apparatus according to claim 7, wherein said gripping means comprises at least one grooved circular ring section adapted to a dimension of the disk-like member.

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9. The apparatus according to claim 1, further comprising a housing including at least a part of said driving-mechanism.

- 10. The apparatus according to claim 1, wherein said at least two tong-like arms comprise a tong-like structure which enables the arms to be front-loaded or back-loaded.
  - 11. The apparatus according to claim 1, wherein said driving-mechanism comprises at least one driving motor.
  - 12. The apparatus according to claim 1, wherein said at least two tong-like arms are affixed to said driving-mechanism.

- 13. The apparatus according to claim 1, further comprising means for detecting the disk-like member and/or for detecting a position of said at least two tong-like arms.
- 5 14. The apparatus according to claim 1, further comprising means for controlling movement of said at least two tong-like arms.
- 15. A method for handling or transporting disk-like
  10 members, comprising:

transporting a first disk-like member with a first transporter from a first position to an exchange region;

loading said first disk-like member into exchange region;

transporting a second disk-like member with second transporter to said exchange region;

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loading said second disk-like member from said second transporter to said first transporter;

transferring said first disk-like member from said exchange region to said second transporter; and

transporting said first disk-like member to a second position with said second transporter.

- 16. A handling line for handling disk-like members, comprising:
  - a disk-like member exchange region;

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- 5 a first transporter having a first set of arms;
  - a first driving-mechanism adapted to drive said first set arms, said first driving-mechanism providing said first set of arms with a first movement and a second movement, said first movement comprising a vertically oriented movement and said second movement comprising a horizontally oriented tong-like movement;
    - a second transporter having a second set of arms;
  - a second driving-mechanism adapted to drive said second set arms, said second driving-mechanism providing said second set of arms with said first movement and said second movement; and
- a controller for controlling said first transporter to move through said first and second movements so that a first disk-like member is transferred to said exchange region, and said second transporter to move through said first and second movements so that a second disk-like member is transferred to said first transporter at said exchange region.
  - 17. The handling line according to claim 16, wherein said first transporter and/or said second transporter comprises a device selected from the group consisting of an x-y-stage, a chuck, and a robot.

18. The handling line according to claim 16, wherein said controller controls said second transporter to transfer said first disk-like member from said exchange region to said second transporter.

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19. The handling line according to claim 18, wherein said controller controls said second transporter to move said first disk-like member to a second position.